

茶藨子属(虎耳草科)新植物

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SOME NEW TAXA OF THE GENUS *RIBES* (SAXIFRAGACEAE) OF CHINA

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Abstract Fifteen new taxa of the genus *Ribes* L. (Saxifragaceae) are described from China. These new taxa are *R. alpestre* var. *eglandulosum* L. T. Lu, *R. burejense* var. *villosum* L. T. Lu, *R. moupinense* var. *pubicarpum* L. T. Lu, *R. himalense* var. *pubicalycinum* L. T. Lu et J. T. Pan, *R. meyeri* var. *pubescens* L. T. Lu, *R. davidi* var. *ciliatum* L. T. Lu, *R. davidi* var. *lobatum* L. T. Lu, *R. laurifolium* var. *yunnanense* L. T. Lu, *R. xizangense* L. T. Lu, *R. glabricalycinum* L. T. Lu, *R. tenue* var. *incisum* L. T. Lu, *R. vilmorinii* var. *pubicarpum* L. T. Lu, *R. rubrisepalum* L. T. Lu, *R. glabrifolium* L. T. Lu, *R. fasciculatum* var. *guizhouense* L. T. Lu.

Key words *Ribes*; new taxa

关键词 茶藨子属; 新分类群

无腺茶藨子 新变种

Ribes alpestre Wall. ex Decne. var. *eglandulosum* L. T. Lu, var. nov.

A var. *alpestri* recedit calycibus, ovarii fructibusque juvenilibus pubescentibus, sed glandulis stipitatis nullis, fructibus maturescentibus glabrescentibus, glabris in vetustate.

Sichuan (四川): Kangding (康定), shrub 2.5—3 m high, 1951. 09.09, W. K. Hu et C. Ho (胡文光和何铸) 11210 (Holotypus, PE), 36734; ibidem, H. L. Tsiang (蒋兴廖) 35641; ibidem, on road sides, alt. 2500 m, Q. S. Zhao et Y. T. Wu (赵清盛和伍煜庭) 110946; ibidem, on river banks Y. W. Tsui (崔友文) 4164; ibidem, in shrubs on road sides, alt. 2760 m, G. Hu et Z. J. Zhao (胡

刚和赵振镛) 112005; Tianquan (天全) H. L. Tsiang 10946; Li xian (理县), Miyaluo (米亚罗), alt. 3250 m, China - Russia Exped. (中苏队) 7160; Zamtang (壤塘), on slopes, alt. 3500 m, S. Chiang (姜恕) 8913; Songpan (松潘), on road sides, W. P. Fang (方文培) 4163; Pingwu (平武), on forest margin, alt. 2520 m, T. L. Tai (戴天伦) 10946; Leibo (雷波), in shaded places under woods, alt. 2400 m, Sichuan Econ. Pl. Exped. (四川经济植物调查队) 907; ibidem, T. T. Yü (俞德浚) 3783; Mianning (冕宁), alt. 2600 m, S. K. Wu (武素功) 2158. Xizang (西藏): Bomi (波密), Guxiang (固乡), under forests, alt. 3200 m, T. S. Ying et D. Y. Hong (应俊生和洪德元) 1242.

与原变种区别在于花萼、子房和幼果均具柔毛, 但无腺毛, 成长时果实上柔毛逐渐脱落, 至老时光滑无毛。

长毛茶藨子 新变种

Ribes burejense Fr. Schmidt var. **Villosum** L. T. Lu, var. nov.

A typo fructibus aculeis flavo-brunneis exceptis, villosis differt.

Jilin (吉林): Changbai Shan (长白山), Toudaozhan (头道站), in shaded and medium-moist places under the broad-leaf forests, alt. 700 m, 1963. 06. 04, sine coll. 530 (Holotypus, PE); Manjiang (漫江), Toudaoling (头道岭), in sparse forests, alt. 1000 m, sine coll. 801.

与原变种区别在于果实除具黄褐色刺外, 还被长柔毛。

毛果茶藨子 新变种

Ribes moupinense Franch. var. **pubicarpum** L. T. Lu, var. nov.

A typo recedit ovariis et fructibus pubescentibus.

Yunnan (云南): Zhongdian (中甸), Haba snow Mt. (哈巴雪山), on rocks at the margins of mixed Picea forests, alt. 3500 m, 1962. 08. 25, Zhongdian Exped. (中甸队), 1369 (Holotypus, PE).

与原变种区别在于子房和果实被短柔毛。

纤细茶藨子 变种 新名称

Ribes longiracemosum Franch. var. **gracillimum** L. T. Lu, nom. nov.

—— *R. gracillimum* Hao in Fedde, Repert. Sp. Nov. 40: 214. 1936, non Cov. et Britt. 1908. syn. nov. —— *R. haoii* C. Y. Yang et Han, 中国树木志 2: 1583. 1985. syn. nov.

Shaanxi (陕西): Xigu (西固), sine loc. et coll. Gansu (甘肃): Wudu (武都), K. S. Hao (郝景盛) 473 (Holotypus!); ibidem, W. Y. Hsia (夏纬瑛) 6827.

毛萼茶藨子 新变种

Ribes himalense Royle ex Decne. var. **pubicalycinum** L. T. Lu et J. T. Pan

var. nov.

A ceteris varietatibus calycibus pubescentibus differt.

Sichuan (四川): Shiqu (石渠), in shrubs at the foot of mountain, alt. 3500

m, W. L. Chen, C. J. Chen et al. (陈伟烈、陈家瑞等) 7073; Zamtang (壤塘), in Abies and Picea forests, alt. 3300 m, W. L. Chen, C. J. Chen et al. 7475. **Xizang** (西藏): On the road from Jomda (江达) to Qamdo (昌都), in shrubs on road sides of mountain slopes, alt. 3800 m, 1973. 05. 31, Qinghai-Xizang Exped. (青藏队) 73-44 (Holotypus, PE); Gamtog (岗拖) to Jomda (江达), on slopes, alt. 3600 m, Y. T. Chang et K. Y. Long (张永田和郎楷永) 200; Nyingchi (林芝), under forests in ravines, alt. 2700 m, Xizang Exped. Med. Pl. (西藏中草药普查队) 3475; Yandong (亚东), in shrubs on slopes, alt. 2900 m, Qinghai-Xizang Exped. Suppl. Group. (青藏队补点组) 750049; ibidem. in shrubs, alt. 2900m, K. H. Fu (傅国勋) 418; Dinggyé (定结), in slope Tsuga forests, alt. 2600 m, Qinghai-Xizang Exped. 5657.

与其他变种区别在于花萼具短柔毛。

北疆茶藨子 新变种

Ribes meyeri Maxim. var. **pubescens** L. T. Lu, var. nov.

A typo ramulis, petiolis et foliis subtus densius pubescentibus, fructibus majoribus, 8—10 mm diam distinguitur.

Xinjiang (新疆): Gongliu (巩留), in shrubby valleys, alt. 1200 m, 1954.05. 03, A. J. Li et C. N. Chu (李安仁和朱家桢) 10277 (Holotypus, PE); ibidem, under Picea forests, alt. 1680 m, Y. R. Ling (林有润) 74371; ibidem, under Picea forests or at their edges, alt. 1720 m, C. J. Wang et al. (王庆瑞等), 2546: 2653; Tekes (特克斯), on forest edges in valleys, alt. 1850 m, T. Y. Chow et al. (周太炎等) 650530; Huocheng (霍城), Y. R. Ling (林有润) 74883; Qinghe (青河), in sparse forests on slopes, alt. 1900 m, R. C. Ching (秦仁昌) 826; Hejing (和静) to Xinyuan (新源), on slopes, alt. 1650 m, Xinjiang Exped. N. W. Inst. Bot. (西北植物所新疆队) 2531; Burqin (布尔津), under Larix and Picea mixed forests, alt. 1820 m, Q. T. Jiang (江庆棠) 1036; Fuhai (福海), in rock clefts of ravines or along stream banks, G. L. Chu et al. (朱格麟等) 5781; Bogda shan (博格达山), alt. 2000 m, T. N. Liou (刘慎谔) 3225.

与原变种区别在于小枝、叶柄和叶下面均被较密短柔毛; 果实较大, 直径 8—10mm。

睫毛茶藨子 新变种

Ribes davidi Franch. var. **ciliatum** L. T. Lu, var. nov.

A typo recedit foliis basi cuneatis vel anguste cuneatis, margine longiciliatis.

Sichuan (四川): Ebian (峨边), C. W. Yao (姚仲吾) 2815, 4386; ibidem, in bamboo forests, T. T. Yu (俞德浚) 698; ibidem, T. N. Liou (刘慎谔) 12344; Hongxi (洪溪), in sparse woods of shaded rocks, alt. 2200 m, Sichuan Econ. Pl. Exped. (四川经济植物调查队) 1344; Meigu (美姑), in mixed forests, alt. 2200m. Veget. Group. Chengdu Inst. Biol. Acad. Sin. (中国科学院成都生物所植被组)

13569; leibo(雷波), in dense forests, alt. 1900 m, 1960.07.03, S. Chiang (姜恕) 7528 (Holotypus, PE); ibidem, in mixed deciduous and evergreen broad-leaf forests on slopes, alt. 2250 m, Z. T. Quan (管中天) 6763; ibidem, in sparse forests on rocky slopes, alt. 2100 m, Sichuan Econ. Pl. Exped. 698.

与原变种区别在于叶基部楔形或狭楔形, 边缘具长睫毛。

浅裂茶藨子 新变种

Ribes davidi Franch. var. **lobatum** L. T. Lu, var. nov.

A typo foliis late cuneatis, apice 3-lobatis, lobis apice acutis val leviter obtusis distinguitur.

Sichuan (四川): Shimian (石棉), 1955, C. C. Hsieh (谢朝俊) 40292 (Holotypus, PE); ibidem, alt. 2250 m, W. K. Hu (胡文光) 1559; Tianquan (天全), Erlang Shan (二郎山), in forests of deep ravines, alt. 2600 m, H. L. Tsiang et T. H. Hsiung (蒋兴廖 和熊济华) 35737.

与原变种区别在于叶基部宽楔形, 先端 3 浅裂, 裂片先端急尖或微钝。

光果茶藨子 新变种

Ribes laurifolium Jancz. var. **yunnanense** L. T. Lu, var. nov.

A var. laurifolio pedicellis, calycibus et fructibus glabris recedit.

Yunnan (云南): Songming (嵩明), under forests on snow range, alt. 2950 m, 1938.05.28, T. T. Yu (俞德浚) 16040 (Holotypus, PE); Gongshan (贡山), in forests on shady rocks, alt. 2150—3600 m, T. T. Yu 19556, 23164; ibidem, under forests, alt. 2500 m, C. W. Wang (王启无) 67468; ibidem, in mixed forests, alt. 3000 m, K. M. Feng (冯国楣) 6930, 8238; Bijiang (碧江), in abies forests, alt. 3000—3200 m, H. T. Tsai (蔡希陶) 54099, 58451; Zhenkang (镇康), under forest on snow range, alt. 2800 m, T. T. Yu 17029.

与原变种区别在于花梗、花萼和果实均无毛。

西藏茶藨子 新种 图 1: 1—4

Ribes xizangense L. T. Lu, sp. nov.

Species *R. orientali* similis, quod foliis rotundatis vel reniformi-rotundatis, utrimque pubescentibus, visco-glandulosis et breviter stipitato-glanduliferis, lobis apice obtusis, margine grosse obtuseque dentatis, inflorescentiis masculis 2—5 cm longis, 15—30-floris, floribus majoribus, 2—4 mm diam, calycibus extus pubescentibus et breviter stipitato-glandulosis, fructibus vetule saepius pubescentibus et breviter stipitato-glanduliferis differt.

Frutex deciduus, 1—3 m altus. Ramuli cinereo-nigri vel purpureo-nigri, levigati, cortice longitudinaliter fisso; ramuli juveniles rubro-brunnei, pubescentes, inermes; gemmae ovoideae, 6—8 mm longae, apice acutae vel minute obtusae, squamis purpureis vel brunneis, praeditae. Folia late ovata, 1.5—3 cm longa, 1.8—4 cm lata, basi subtruncata ad cordata, utrinsecus glabra, supra

atro-viridia, viscoso-glandulosa vel sparsim breviter stipitato-glandulosa, subtus pallidiora, sparse viscoso-glandulifera, palmatim 3 — 5-lobata, lobis triangulari-ovatis, apice acutis, terminalibus lateralibus longioribus vel subaequalibus, margine serraturis inaequalibus, grossis acutisque vel duplicatis praeditis; petioli 1.5 — 2 cm longi, glabri vel sparse pubescentes et stipitato-glanduliferi. Flores majores, 4 — 6 mm in diam. per anthesin, dioecii, in racemos erectos vel paullo nutantes dispositi; racemi masculi 2 — 5 cm longi, 5 — 15-flori; racemi feminei breviores, 2 — 3 cm longi, 5 — 9-flori, rarius multiflori; rhachides pedicellique pubescentes et breviter stipitato-glanduliferi, pedicelli 2 — 4 mm longi; bracteae ellipticae, rarius obovato-oblongae, 4 — 7 mm longae, 2 — 3 mm latae, apice acutae, pubescentes, simplici-nerves; calyces atro-purpurei, extus glabri, raro sparse pubescentes; calycis tubi pelviformes, 1.4 — 1.8 mm longi, 1.5 — 2 mm lati; sepala ligulata vel ovata, 2 — 3 (— 3.5) mm longa, 1 — 2 (— 2.5) mm lata, apice obtusa, erecta; petala parva, subflabelliformia, apice obtusa vel rotundato-truncata, purpurea; stamina petalis paullo longiora; antherae suborbiculares, filamentibus subaequales; stamina in floribus femineis reducta, filamenta vix nulla; ovaria leviter pubescentia et breviter stipitato-glandulifera, ovaria in floribus masculis vix nulla; styli apice bilobati. Fructus globosi, 6 — 9 mm diam, aurantiaci ad purpurei, juventute sparsim pubescentes et breviter stipitato-glandulosi, glabri in vetustate.

Xizang (西藏): Biru (比如), in Picea forests and along roads, alt. 4000 — 4300 m, D. D. Tao (陶德定) 11279; Lhari (嘉黎), in river valley, alt. 4000 m, Qinghai-Xizang Exped. (青藏队) 10454; Markam (芒康), under Abies forests, alt. 4000 m, Qinghai-Xizang Exped. 11629; Baxoi (八宿), in Picea forests on slopes, Qinghai-Xizang Exped. 73 — 1309; Nyingchi (林芝), in shrubs, Qinghai-Xizang Exped. Suppl. Group. (青藏队补点组) 751105; Mainling (米林), in alpine shrubs, alt. 3800 m, B. S. Li et S. Z. Cheng (李渤生和程树志) 5489; Zayü (察隅), on slope forest edges, alt. 3400 m, C. W. Wang (王启无) 65604; Nyalam (聂拉木), Quxiang (曲乡), in shrubs on slopes, alt. 3500 m, 1966.05. 17, Y. T. Chang et K. Y. Long (张永田和郎楷永) 3499 (Holotypus, PE); ibidem, under Picea forests on slopes, alt. 3600 — 3650 m, Qinghai-Xizang Exped. 6112, 6117; ibidem, in shrubs, alt. 3800 — 3900 m, Xizang Exped. Med. Pl. (西藏中草药普查队) 1631, 1715; Lhünzhub (林周), in valleys, alt. 4600 m, Qinghai-Xizang Exped. 2921; Dinggye (定结), on semi-shaded slopes, Qinghai-Xizang Exped. Veg. Group. (青藏队植被组) 3675; ibidem, in shrubs on slopes, alt. 4000 m, Qinghai-Xizang Exped. 5459; Gyirong (吉隆), in mountain valleys, alt. 3700 m, Xizang Exped. Med. Pl. 246, 249.

此种和东方茶藨子 *R. orientale* Desf. 相似, 区别在于后者叶圆形或肾状圆形, 两

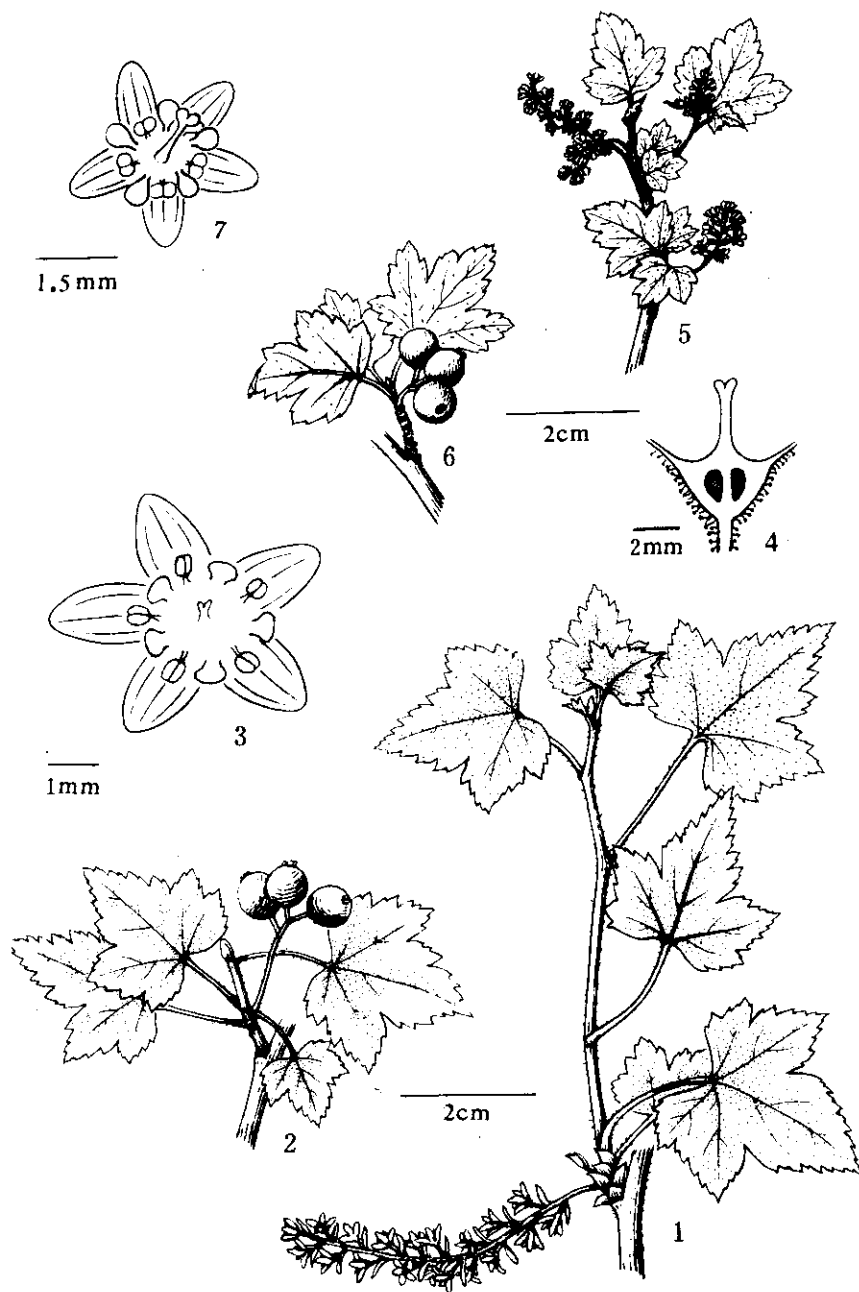


图1 1—4. 西藏茶藨子 1. 花枝; 2. 果枝; 3. 雄花; 4. 雌花纵剖面。5—7. 光萼茶藨子
5. 花枝; 6. 果枝; 7. 雌花。(吴彰桦绘)

Fig. 1 1—4. *Ribes xizangense* 1. flowering branch; 2. fruiting branch; 3. male flower; 4. longitudinal section of female flower. 5—7. *R. glabricalycinum* 5. flowering branch; 6. fruiting branch; 7. female flower.

面被短柔毛、粘质腺体和短腺毛,裂片先端圆钝,边缘具粗钝锯齿;雄花序长2—5 cm,具花15—30朵;花较小,直径2—4 mm;花萼外面具短柔毛和短腺毛;果实老时常具短柔毛和腺毛。

光萼茶藨子 新种 图1:5—7

Ribes glabricalycinum L. T. Lu, sp. nov.

Species *R. pseudofasciculato* similis, quod foliis utrinsecus pubescentibus, glandulis vel glandulis stipitatis carentibus, inflorescentiis paucifloris, racemis masculis 3—7-floris, femineis 2—5-floris vel interdum unifloris, calycibus extus purpureis, pubescentibus differt.

Frutex deciduus, parvus, c. 1 m altus. Ramuli cinereo-nigri vel cinereo-brunnei, levigati, cortice laciniato; ramuli juveniles fusco-brunnei vel rubro-brunnei, pubescentes glabri in vetustate, inermes; gemmae oblongo-ovoideae, 3—6 mm longae, apice acutae, squamis herbaceis, puberulis vel subglabris praeditae. Folia late ovata, 1—2 cm longa, aequae longa ac lata, basi subtruncata, ad cordata, supra atro-viridia, subtus pallidiora, utrinsecus tenuiter pubescentia et glandulifera vel supra sparsim stipitata-glandulosa, palmatim 3—5-lobata, lobis apice acutis, raro leviter obtusis, lobis terminalibus late ovatis vel rhombicis, longioribus quam lobis lateralibus, margine obtuse duplicatis; petioli 0.5—1 cm longi, minute pubescentes vel sparse stipitata-glandulosi. Flores dioecii, in racemos breves dispositi; racemi masculi 1—2.5 cm longi, 7—15-flori, racemi feminei breviores, 3—5-flori, rarius 1—2-flori; rhachides tenuiter pubescentes et sparse stipitata-glanduliferi; pedicelli 2—5 mm longi, pubescentes vel subglabri, interdum sparsim stipitata-glanduliferi; bracteae oblongae vel obovato-oblongae, 4—7 mm longae, 1—2.5 mm latae apice, leviter acutae vel obtusae, pubescentes vel subglabrae, margine sparsim stipitata-glanduliferae, simplici-nerves; calyces virides vel flavo-virides, extus glabri; calycis tubi pelviformes, c. 1—2 mm longi; sepala ovata vel ligulata, 1.5—2.5 mm longa, apice acutiuscula vel obtusa, patentia sub anthesi, reflexa ad fructus maturitatem; petala parva; obovata vel flabelliformia, apice obtusa; stamina petalis longiora, filamentis filiformibus, antheris suborbicularibus; stamina in floribus femineis reducta; ovaria glabra; flores masculi fere non-ovariiferi; styli staminibus longiores, apice bilobati; Fructus globosi, 6—7 mm diam, rubri, glabri.

Sichuan (四川): Luhuo (炉霍), Gabangou (夹板沟), on slopes of high land, alt. 3100 m, T. S. Ying (应俊生) 4624; Luhuo to Zamtang (炉霍至壤塘), on Picea forest edges in valleys, alt. 3400 m, 1984. 07.06, W. L. Chen, C. J. Chen et al. (陈伟烈, 陈家瑞等) 7303 (Holotupus, PE); Kangding (康定), in shrubs along road sides, alt. 2800 m, T. S. Ying (应俊生) 3495; ibidem, in shrubs, alt. 3340 m, S. Chiang (姜恕) 2861; ibidem, under forests on road sides, alt. 3720 m, F.

Y. Qui (邱发英)4464; ibidem, under forests in ravine, alt. 3470 m, Z. Y. Chen, Z. J. Zhao et al. (陈泽映, 赵振镛等)112874; ibidem, under forests on slopes, alt. 3560 m, Z. Y. Chen, Gang Hu et al. (陈泽映, 胡刚等)112382; Juilong (九龙), in Quercus forests, alt. 3600 — 3900 m, Q. Q. Wang (王清泉)20303; Xiangcheng (乡城), under needle forests on high mountains or in shrubs, alt. 3500 — 3800 m, sine coll. 913; ibidem, in ditches or velleys, alt. 3800 m, Sichuan Veget. Exped. (四川植被调查队)2867.

本种和青海茶藨子 *R. pseudofasciculatum* Hao 外貌相似, 区别在于后者叶两面仅被短柔毛, 无腺体或腺毛; 花序具花较少; 雄花序具花3—7朵, 雌花序有花2—5朵或有时花单生; 花萼紫红色, 外面被短柔毛。

深裂茶藨子 新变种

Ribes tenue Jancz. var. *incisum* L. T. Lu, var. nov.

A. var. *tenuo* differt foliis margine profunde 3—5-lobatis, fructibus maturis nigris.

Sichuan (四川): Shuajingsi (刷经寺), under mountain forests, alt. 3800 m, X. Li (李馨)74891; Zhegu Shan (鹧鸪山), on road sides, alt. 3450 m, 1957.09.01, X. Li (李馨)74317 (Holotypus, PE); Markam (马尔康), in alpine forests, alt. 3600 m, X. Li 71817; Šertar (色达), on slopes, alt. 3900 — 4050 m, Q. L. Zhang (张清龙)310326, 330121, 330426; Dawu (道孚), in forests, alt. 3800 m, T. S. Ying (应俊生)9596; ibidem, on slopes, alt. 3900 m, Z. T. Quan (管中天)620121; Jinchuan (金川), on grassy slopes, forest edges and mountain ridges, alt. 4200 m, X. Li 78357; Xiaojin (小金), in forests, alt. 2800 — 3400 m, S. S. Chang et Y. X. Ren (张秀实和任有铤)6299; Muli (木里), in Abies forests, alt. 3750 m, S. L. Chen (陈舜礼), sine num.; ibidem, under Abies forests, alt. 3600 m, Q. C. Zhao, K. H. Bi et al. (赵清盛, 毕克华等)8226. **Yunnan** (云南): Zhongdian (中甸), Haba snow Mt. (哈巴雪山), along forest edges, alt. 2200 m, T. T. Yu (俞德浚)13527; ibidem in Abies forests on slopes, alt. 3800 m, K. M. Feng (冯国楣)21055; ibidem, in Rhododendron shrubs, alt. 3900 m, sine coll. 23292.

与原变种区别在于叶边3—5深裂, 果实成熟时黑色。

康定茶藨子 新变种

Ribes vilmorinii Jancz. var. *pubicarpum* L. T. Lu, var. nov.

A typo differt ovariis et fructibus pubescentibus.

Sichuan (四川): Kangding (康定), in Abies forests, alt. 4000 m, 1974.07.05, F. Z. Zhang (张福珍)4788 (Holotypus, PE).

与原变种区别在其子房和果实被短柔毛。

红萼茶藨子 新种 图2: 1—4

Ribes rubrisepalum L. T. Lu, sp. nov.

Species *R. lurido* affinis, quod foliis supra pubescentibus, lobis apice acutis vel leviter obtusis, margine grosse et obtuse simplici-dentatis vel paullo duplicato-dentatis, calycibus extus glabris diagnoscutur.

Frutex deciduus, 1 — 3 m altus. Rami robusti, ramuli cinereo-nigri vel cinereo-purpurei, cortice longitudinaliter fisso; ramuli juveniles brunneo-purpurei vel brunnei, glabri vel interdum sparse stipitato-glandulosi, inermes; gemmae ovoideae, 4 — 6 mm longae, apice leviter obtusae, squamis brunneis vel purpureo-brunneis, extus glabris. Folia late ovata vel subrotundata, 2.5 — 4.5 cm longa, basi cordata, supra atro-viridia, subtus pallidiora, utrinsecus glabra, interdum sparsim breviter stipitato-glandulifera, palmatim 3—5-lobata, lobis terminalibus oblongo-ovatis vel triangulari-oblongo-ovatis, lateralibus longioribus, apice breviter acuminatis ad acuminatis, lobis lateralibus subovatis, apice acutis, margine grosse et inciso duplicato-serratis vel simplici-serratis; petioli 1.5 — 2.5 cm longi, glabri vel sparse breviter stipitato-glandulosi. Flores dioecii, in racemos erectos dispositi; racemi masculi 3 — 5.5 cm longi, 14 — 20-flori; racemi feminei breviores, 2 — 4 cm longi, floribus minus quam 15; rhachides pedicellique pubescentes et breviter stipitato-glandulosi; pedicelli 2 — 4 mm longi; bractae lanceolatae vel oblongae, 4 — 6 mm longae, 1 — 1.5 mm latae, apice acutae, margine sparsim breviter stipitato-glanduliferae, simplici-nerves; calyces subrotati, atro-rubri vel purpurei, extus pubescentes; calycis tubi disciformes, rarius vadoso-cupiformes, 1 — 2 mm longi, 1.5 — 2.5 mm lati; sepala ligulata vel ovata, 2 — 2.5 mm longa, 1 — 1.5 mm lata, apice obtusa, erecta, 3-nervia; petala subflabelliformia, 0.6 — 1 mm longa, apice subtruncata vel rotundato-truncata; stamina purpurea, petalis longiora, filamentis antheris longioribus, antheris suborbicularibus; stamina in floribus femineis parva; ovaria juventute sparse pubescentia, glabra vetule, ovaria in floribus masculis reducta; styli apice bilobati. Fructus subglobosi, 5 — 9 mm diam, nigri, glabri.

Shaanxi (陕西): Taibai Shan (太白山), on high slope, alt. 3000 m, K. T. Fu (傅坤俊) 4463; ibidem, C. Wang (王战) 747; ibidem, Pinganshi (平安寺), in forests on slopes, alt. 2700 — 2860 m, J. X. Yang (杨金祥) 804, 853; ibidem, on north slopes, alt. 2200 m, Qinling Exped. (秦岭调查队) 402. **Gansu (甘肃):** Jone (卓尼), under Picea forests, alt. 3000 m, T. P. Wang (王作宾) 5318, 5376; Lanzhou (兰州), Licent 4311. **Sichuan (四川):** Shuajingsi (刷经寺), along ditches, alt. 3500 m, X. Li (李馨) 34855; ibidem, under Picea forests on north slopes, P. X. Li (李潜雄) 10259; Zhegu Shan (鹧鸪山), along road sides, alt. 3450 — 3750 m, 1957. 09. 03, X. Li (李馨) 74407 (Holotypus, PE), 74312; ibidem, on ditch banks, alt. 3500 m, C. Y. Chang et H. F. Zhou (张泽荣和周

洪富)22422; Markam (马尔康), under *Picea* forests, alt. 3500 — 3600 m, P. X. Li 10003, 10173; ibidem, alt. 3600 m, X. Li 71807; ibidem, C. L. Wu (吴中伦) 32093, 32250, 32275; Jinchuan (金川), on forest edges or along stream sides, alt. 3800 — 4200 m, X. Li 77782, 77830, 78345; Xiaojin (小金), in woods, alt. 3400 m, X. S. Zhang et Y. X. Ren (张秀实和任有铄) 7160; Kangding (康定), W. K. Hu et C. Ho (胡文光 and 何铸) 10636; Baoxing (宝兴), X. S. Zhang et Y. X. Ren 5512, 5515; ibidem, T. P. Soong (宋滋圃) 38502. **Yunnan (云南):** Deqen (德钦), along stream sides, alt. 4050 m, T. T. Yu (俞德浚) 9381.

本种和紫花茶藨子 *R. luridum* Hook. f. et Thoms. 近缘, 区别在于后者叶上面具短柔毛, 裂片先端急尖或稍钝, 边缘具粗钝单锯齿或少数重锯齿; 花萼外面无毛。

光叶茶藨子 新种 图 2: 5 — 6

***Ribes glabrilolium* L. T. Lu, sp. nov.**

Species *R. pulchello* similis, quod foliis late ovatis, 1.5 — 3 cm longa et lata, basi subtruncatis ad vadoso-cordatis, utrinque pubescentibus, petiolis 1 — 2 cm longis, pubescentibus, inflorescentiis masculis 5 — 7 cm longis, 8 — 20-floribus distinguitur.

Frutex deciduus, parvus, 1 — 2 m altus. Ramuli cinereo-brunnei ad purpureo-nigri, cortice laciniato; ramuli juveniles cinereo-brunnei, pubescentes, saepius aculeis binis in nodis armati, internodia enermia; gemmae ovoideae ad oblongo-ovoidae, 3 — 5 mm longae, apice leviter acutae, glabrae vel paullo pubescentes. Folia crassa, rhombeo-ovata ad subrotundata, 1 — 1.5 cm longa et lata, basi late cuneata vel subrotundata, supra atro-viridia, nitida, subtus pallidiora, utrinque glabra, palmatim 3-lobata, lobis apice obtusis vel acutiusculis, lobis terminalibus lateralibus longioribus, margine irregulariter obtuse dentatis; petioli 0.5 — 1 cm longi, glabri. Flores dioecii, in racemos dispositi racemi masculi 2.5 — 4 cm longi, 7 — 11-flori; racemi feminei leviter breviores; inflorescentiae fructiferae usque 4 cm longae; rachides et pedicelli pubescentes vel sparsim glandulis breviter stipitatis obsiti; pedicelli 2 — 4 mm longi; bractaeae oblongae, glabrae, caducae; calyces flavi vel flavo-virides, extus glabri; calycis tubi vadoso-cupiformes vel pelviformes, 1.5 — 2 mm longi; sepala late ovata, 2 — 3 mm longa, apice acuta, rarius leviter obtusa, patentia vel reflexa sub anthesi, reflexa ad fructus maturitatem; petala parva, flabelliformia vel obovata, apice obtusa; stamina petalis paullo longiora; stamina in floribus femineis breviora, petalis breviora; ovaria glabra, reducta in floribus masculis; styli apice bilobati. Fructus globosi, 5 — 7 mm diam, rubri, glabri.

Shaanxi (陕西): Shanyang (山阳), Banmiao He (板苗河), in valley, alt. 700 m, J. X. Yang et Y. M. Liang (杨金祥和梁一民) 2589; Chenggu (城固), in for-

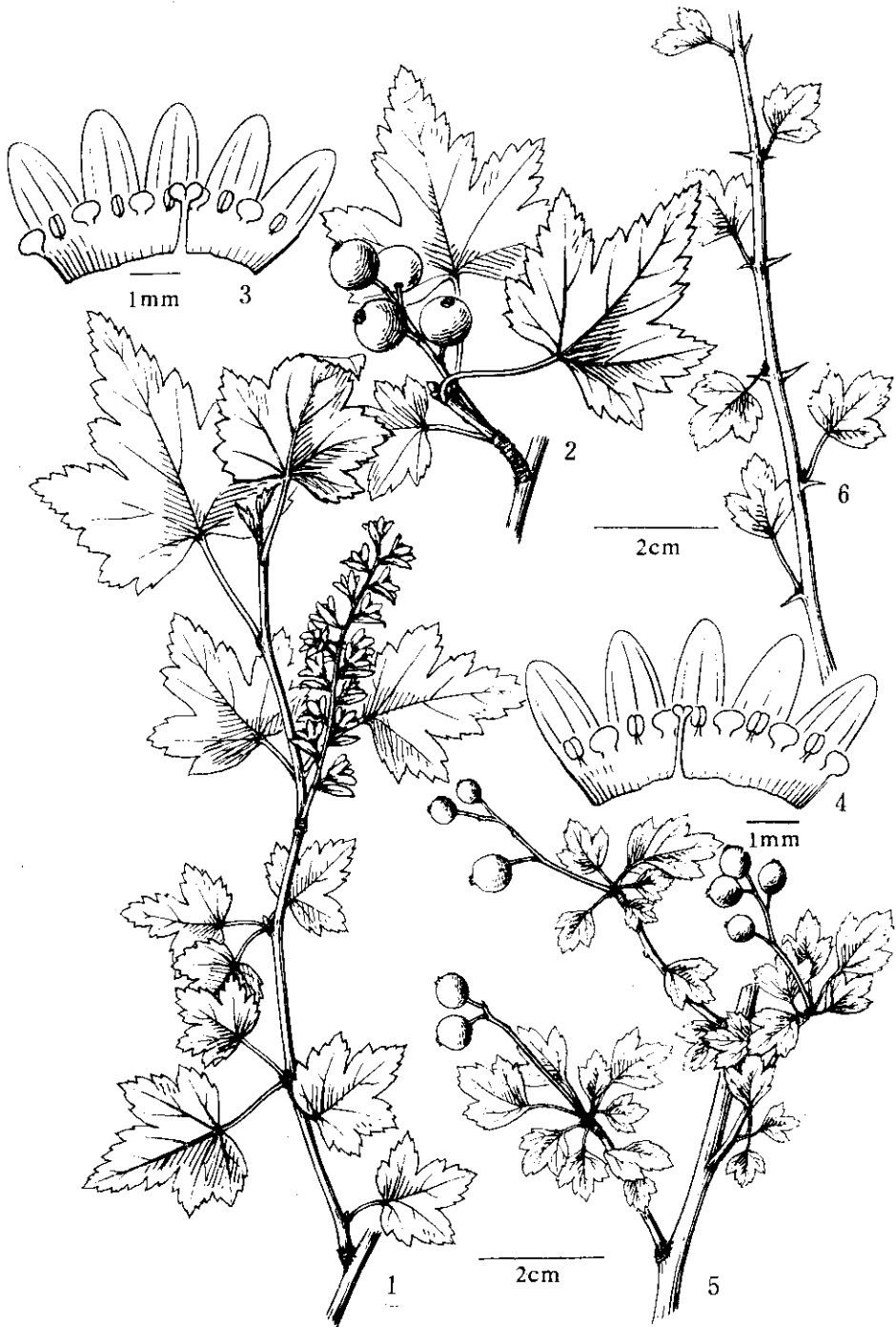


图 2 1—4. 红萼茶藨子 1. 花枝; 2. 果枝; 3. 雌花展开; 4. 雄花展开。5—6. 光叶茶藨子
5. 果枝; 6. 营养枝。(吴彰桦绘)

Fig. 2 1—4. *Ribes rubrisepalum* 1. flowering branch; 2. fruiting branch; 3. female flower with perianth opened up; 4. male flower with perianth opened up. 5—6. *R. glabrifolium* 5. fruiting branch; 6. vegetative branch.

ests, T. N. Liou (刘慎谔) 11473. **Hubei** (湖北): Fang Xian (房县), Daluoxi (大落溪), in woods on slopes, alt. 880 m, 1958.09.22, K. R. Liu (刘克荣) 209 (Holotypus, PE).

本种和美丽茶藨子 *R. pulchellum* Turcz. 相近, 惟后者叶宽卵形, 长宽各约 1.5—3 cm, 基部近截形或浅心脏形, 两面均被短柔毛; 叶柄长 1—2 cm, 被短柔毛; 雄花序长 5—7 cm, 具花 8—20 朵。

贵州茶藨子 新变种

Ribes fasciculatum Sieb. et Zucc. var. **guizhouense** L. T. Lu, var. nov.

A var. fasciculato ramulis, petiolis et foliis utrinque dense pubescentibus, ovariis fructibusque juventute pubescentibus, subglabris in vetustate recedit.

Guizhou (贵州): Weining (威宁), at the foot of mountain, alt. 2400 m, 1959.07.10, Beijie Exped. (毕节队) 150 (Holotypus, PE).

与原变种区别在于小枝、叶柄和叶两面密被柔毛, 子房和果实幼时具柔毛, 老时无毛。

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### 《植物生态学与地植物学学报》刊名更改启事

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